

April 2002

From the Editor. . .

Welcome to our April newsletter, which highlights recent LLNL activities and related upcoming events. We have designed this monthly message as a way to share information with our neighboring community, and we hope that you find it helpful.



[University of California](#)



[National Nuclear Security Administration](#)



[U.S. Department of Energy](#)

UC President's Council on the National Laboratories Praises LLNL

In its ninth annual report, the UC President's Council on the National Laboratories praised LLNL, along with Los Alamos and Lawrence Berkeley national laboratories for continued excellence in science, technology and operations as reflected by the outstanding marks received following UC's recent annual performance appraisals.

"I think none of us could have lived through the last six months without appreciating the importance of the laboratories' contributions and potential for future response to the world that we have found ourselves in since September 11," said Bill Friend, chair of the President's Council in his presentation to the Regents.

For more on the Council's appraisal see **Recent Headlines** below



Science Saturday To Return On May 18

Another special Science Saturday event for the entire family, entitled "Back to Nature, Down to Earth," will take place at the

COMMUNITY NEWS

is an online publication of the Public Affairs Office at Lawrence Livermore National Laboratory.

April 2002

Laboratory's Visitors Center on Saturday, May 18 from 10 a.m. to 2 p.m.

The attractions will include an exhibition by the Lindsay Wildlife Museum, demonstrations by the Laboratory's "Fun with Science" program, and informative resources from the Laboratory's Environmental Protection Department and Energy Management Program.

This free event will provide an opportunity for all community members to experience hands-on science, as well as enjoy an up-close look at nature and wildlife. It is sure to be a great way to spend a Saturday! Look for more information in the *May Community Newsletter*.

Laboratory Physicist Named Fulbright Scholar

Physicist Charles Carrigan, with the Laboratory's Geosciences and Environmental Technologies Division, has been chosen to receive a Fulbright Scholar award. In July, Carrigan and his family will relocate to Cambridge University where he will spend a year pursuing research at the university's Department of Earth Sciences. He will also serve as a visiting fellow of St. Edmund's College, which is affiliated with Cambridge University.



Charles Carrigan

"Cambridge has expertise in fluid mechanics and earth sciences that is world class," Carrigan said. "I stand to benefit significantly by interacting with them and also hope to establish a long term technical relationship that is beneficial to both the Lab and Cambridge."

To learn more about Carrigan's achievement see **Recent Headlines** below.

Let us hear
from you

You can reach
Community
Relations staff
directly.

Contacts:

Community
Relations Manager
Barry Schrader
(925) 423-3567,
schrader2@llnl.gov,

• • • • •

Community
Relations Officer
Scott Wilson
(925) 423-3125,
wilson101@llnl.gov

• • • • •

Community
Relations Officer
Christine Mixan
(925)-422-3138,
mixan1@llnl.gov.

Laboratory Takes Part In 3-D Simulations of Nuclear Weapon Explosion

LLNL and Los Alamos scientists have completed the first full-system three-dimensional simulations of a nuclear weapon explosion as part of the National Nuclear Security Administration's (NNSA) Stockpile Stewardship Program. The Program is responsible for maintaining the safety, security and reliability of the nation's nuclear deterrent.

The simulations were conducted using the Laboratory's ASCI White machine, the fastest and most powerful supercomputer in the world.

"This is a significant technical achievement," said NNSA Administrator John Gordon. "The NNSA's role in spurring the development of some of the fastest computers in the world is already paying dividends. We can now simulate an entire nuclear weapon explosion and learn critical information about the nation's weapons stockpile as it ages."

Additional information on these simulations can be found in **Recent Headlines** below.

Laboratory Fire Department Forms Emergency Dispatch Service Consortium

The Laboratory's Fire Department, along with the Alameda County Fire Department, the Alameda County Emergency Medical Services Agency, and the Alameda City Fire Department,



Consolidation will enable Lab dispatchers such as George Moorehead to provide an expanded level of emergency services.

Visit Our
Web Site

Visit our
Website at
[http://www.
llnl.gov](http://www.llnl.gov)
where you
will find the
latest
Laboratory
news,
publications
and other
helpful
information
by
clicking
on "News
and
Public
Affairs."



will form a consortium to consolidate emergency dispatch services for the local region.

The Laboratory's present dispatch facility will serve as the new Consolidated Dispatch Center, and following some modifications should be up and running by mid-May.

"Consolidated dispatch will provide an improved and expanded level of fire and emergency medical services, as well as enhance the county mutual aid system," said Laboratory Fire Chief Randy Bradley.

To learn more about this consortium see **Recent Headlines** below.

Laboratory Neighbors' Meeting Feedback

On January 31 the Laboratory hosted an informational meeting for its closest neighbors.

The primary purpose of this meeting was to inform them about security issues here at the Laboratory. Several of the 150 attendees submitted questions to the senior Lab managers present. In this, and subsequent *Community Newsletters*, we will provide responses to some of those questions.



Question:

How does local law enforcement coordinate with the Lab?

Answer: The Laboratory's Safeguards and Security Manager maintains a continuous liaison at both the senior management level and investigative /operational level with local law enforcement. This includes personal monthly meetings with the City of Livermore's Chief of Police, Ron Scott.

Subscribe

Feel free to send this newsletter to a friend or colleague who might want to subscribe.



To subscribe, or if at any time you wish to stop receiving this newsletter, simply e-mail

wilson101@llnl.gov



April 2002

New Laboratory 50th Anniversary Website



In 1966, test activities, such as measurements of electromagnetic coupling to scale-model aircraft in the EMEROR facility at Livermore, complemented the development of simulation models. See this story, and more, on the **Timeline**.

A new Website featuring a comprehensive timeline of the Laboratory's history is now available online. The timeline, arranged by decade, includes a variety of pictures, stories, news articles and quicktime movies on the people and events that have shaped the Laboratory over the past half-century. To view this fact-filled Website go to <http://www.llnl.gov/timeline>.

Laboratory Visitors Center and Tours

Please stop by our Visitors Center to learn more about the Laboratory's mission and programs. The Visitors Center is located on Greenville Road at the Eastgate entrance to the Laboratory. It is open Monday-Friday, 1-4 p.m. For more information about the Visitors Center or tours, please call (925) 422-4599.

We Want Your Ideas

Your ideas on how we can improve this newsletter, or our Laboratory programs, are welcomed.

Please forward any comments or questions you may have to Scott Wilson (925) 423-3125, wilson101@llnl.gov.



Laboratory TV Show

"Technology Today," a television program designed to help inform our neighbors about activities at both Lawrence Livermore and Sandia national laboratories, airs each Monday evening at 8:30 p.m. on the Tri-Valley's community television station, Channel 30. If you have a topic that you'd like to see discussed on "Technology Today," please contact us at (925) 424-4822.

Recent Headlines

You may be interested in these recent articles from the Laboratory's weekly newspaper, Newslines. These stories can be viewed by visiting the Public Affairs Website at

<http://www.llnl.gov/llnl/06news/Employee/2001index.html>

Call or e-mail us if you would like more information.

- NNSA announces reorganization (March 1, 2002)
- Lab scientists conduct workshop on security issues (March 1, 2002)
- Livermore, Los Alamos labs complete first 3-D simulation of full-system nuclear weapon (March 8, 2002)
- CGSR creates York fellowship in honor of its first director (March 8, 2002)
- Vantine testifies on counterterrorism (March 8, 2002)
- President's Council praises labs' outstanding grades, post-Sept. 11 service (March 15, 2002)
- Contract signed for TSF construction (March 15, 2002)
- Terascale facility marks a new era in supercomputing (March 15, 2002)
- Lab forms consortium with Alameda to consolidate dispatch services (March 15, 2002)
- Lab work assists Glendale police in Efren Salazar case (March 15, 2002)
- LLNL, LBL collaboration produces improved method for detecting radiation (March 22, 2002)
- Lab's new research facility will break ground in April (March 22, 2002)
- Physicist named Fulbright scholar (March 29, 2002)
- Lab employees win fusion energy research grant (March 29, 2002)

